1. Monthly Bill Tracker

Calculate the total of monthly bills.

Given a list of bills like [1500, 2000, 3000], iterate through the list.

Print each bill amount and the total at the end.

```
list1 = [1500,2000,3000,4000,5000,2000]
total = 0

for i in list1:
    total+=i
    print(i)

print(f"Total = {total}")


1500
2000
3000
4000
5000
2000
Total = 17500
```

2. School Attendance

Simulate attendance tracking.

Given a list of student names like ["John", "Mary", "Alex"], print each name followed by

"Present."

```
student_name = ["John","Mary","Alex"]

for i in student_name:
    print(f"{i}:Present")

John:Present
Mary:Present
Alex:Present
```

3. Salary Distribution

Distribute bonuses to employees.

1 Given a dictionary {"John": 5000, "Mary": 6000}, iterate through the dictionary. 2 Print each employee's name and their bonus.

```
employees = {"John": 5000, "Mary": 6000}

for i, j in employees.items():
    print(i,j)
```

```
John 5000
Mary 6000
```

4. Grade Report

Calculate grades for students.

Given a list of scores [85, 92, 76, 61], assign grades:

>= 90: A

>= 80: B

>= 70: C

< 70: F

Print the grades for each student.

```
student_grade = [85,92,76,61]

for i in student_grade:
    if i>90:
        print(f"{i}:A")

    elif 90>i>=80:
        print(f"{i}:B")

    elif 80>i>=70:
        print(f"{i}:C")

    elif i<70:
        print(f"{i}:F")
```

```
85:B
92:A
76:C
61:F
```

5. Book Availability

Check if a book is in a library.

Given a list of books like ["Python Basics", "Data Science"], ask the user for a title.

Print "Available" if the title is in the list, or "Not Available" otherwise

```
book = str.lower(input("Enter book title:"))
available_books = ["python basics", "data science", "math", "english"]

for i in available_books:
    if book in available_books:
        print("Available")
        break

    else:
        print("Not Available")
        break
```

```
Enter book title: math

Available
```

6. Temperature Analysis

Analyze daily temperatures for a week.

Given a list [30, 32, 28, 35, 29], find the highest and lowest temperatures using a loop.

```
list1 = [30, 32, 28, 35, 29]
max_temp = list1[0]
min_temp = list1[0]
for i in list1:
    if i > max_temp:
        max_temp=i
    if i < min_temp:
        min_temp=i

print(max_temp)
print(min_temp)
```

```
35
28
```

7. Inventory Management

Check for low-stock items in a store.

Given a dictionary {"Apples": 5, "Bananas": 20}, print items with quantities below 10

```
fruit = {"Apples": 5, "Bananas": 20}

for i, j in fruit.items():
    if j<10:
        print(i,j)
```

```
Apples 5
```

8. Flight Seat Booking

Check booked and available seats.

Given a list of seats [1, 2, 3, 4] and booked seats [2, 4], print "Booked" or "Available" for each

seat.

```
list1 = [1,2,3,4]
booked_seats = [2,4]
seat = int(input("Enter seat number : "))

for i in list1:
    if seat in booked_seats:
        print("Booked")

    else:
        print("Available")

    break


Enter seat number :  4

Booked
```

9. Savings Interest Calculator

Calculate weekly interest for a savings account.

Given a list of daily balances [5000, 5200, 5300], calculate daily interest at 0.05% and display

the total interest.

```
daily_balances = [5000, 5200, 5300]
total_interest = 0

for i in daily_balances:
    daily_interest = i*(0.05/100)
    total_interest += daily_interest
print(f"Total interest is {interest}.")
```

```
Total interest is 7.75.
```

10. Customer Feedback Analyzer

Analyze feedback for keywords.

Given a list of comments like ["Great service", "Poor product"], print comments containing the

word "service.

```
list1 = ["Great service", "Poor product"]

for i in list1:
    if "service" in i:
        print(i)
```

```
Great service
```